

In the Claims:

Please amend the claims as follows. A complete listing of the claims with proper claim identifiers is set forth below. This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-42 (Canceled)

43. (Withdrawn) A method of inactivating viruses comprising the step of applying a composition to an area in need of treatment, and optionally, removing said composition following its application, wherein said formulation comprises:

- a. from about 0.2% to about 70% of an organic acid; and
- b. from about 0.1% to about 40% of an anionic surfactant mixture having a characteristic selected from the group consisting of:
 - i. a linear alkyl chain having a chain length of from about C₄ to about C₁₂ and a total hydrophilic head group size of at least about 4 Angstroms;
 - ii. an unsaturated alkyl chain having a chain length of from about C₄ to about C₁₂;
 - iii. a branched alkyl chain having a chain length of from about C₄ to about C₁₂;
 - iv. combinations thereof; and

wherein said composition is characterized by a pH of from about 2.0 to about 4.5; and

wherein said organic acid is selected from the group consisting of: pyroglutamic acid, adipic acid, gluconic acid, gluconolactone acid, glutamic acid, glutaric acid, glycolic acid, tartaric acid, ascorbic acid, benzoic acid, salicylic acid, citric acid, malic acid, succinic acid, lactic acid and combinations thereof.

44. (New) A composition comprising:

- a. from about 0.2% to about 70% of an organic acid, which is pyroglutamic acid or gluconic acid; and
- b. from about 0.1% to about 40% of an anionic surfactant mixture having a characteristic selected from the group consisting of:

- i. a linear alkyl chain having a chain length of from about C₄ to about C₁₂ and a total hydrophilic head group size of at least about 4 Angstroms;
- ii. an unsaturated alkyl chain having a chain length of from about C₄ to about C₁₂;
- iii. a branched alkyl chain having a chain length of from about C₄ to about C₁₂; and
- iv. combinations thereof;

c. a calcium ion scavenger, which is citric acid, malic acid, succinic acid, or polyacrylic acid;
wherein said composition is characterized by a pH of from about 2.0 to about 4.5.

45. (New) The composition of claim 44, further comprising an anti-foam agent.

46. (New) The composition of claim 44, wherein said anionic surfactant is selected from the group consisting of: alkyl glyceryl sulfonate, branched alkyl glyceryl sulfonate, alpha sulfo fatty acid, alpha olefin sulfonate, branched alkyl sulfonate, branched alkyl benzene sulfonate, secondary alkyl sulfate, mono ester of alkyl sulfosuccinic acid, alkyl isethionate, alkyl amidosulfonate, branched alkyl phosphonate, branched alkyl phosphate and combinations thereof.

47. (New) The composition of claim 44, further wherein said anionic surfactant is substituted with a substituent selected from the group consisting of: sulfonate, sulfate, phosphonate and combinations thereof.

48. (New) The composition of claim 44 wherein said organic acid is pyroglutamic acid.

49. (New) The composition of claim 44 wherein said organic acid is characterized by a pKa of greater than about 3.0.

50. (New) The composition of claim 44 wherein said calcium ion scavenger is citric acid.

51. (New) The composition of claim 44 wherein said calcium ion scavenger is characterized by a pKa of lower than about 3.0.

52. (New) The composition of claim 44 wherein said calcium ion scavenger is characterized by a calcium ion binding constant log P of greater than about 3.0 at a pH 3.
53. (New) The composition of claim 45 wherein said anti-foam agent is selected from the group consisting of silicone emulsion, mineral oil emulsion, hydrocarbon oil emulsion, polyalkylene emulsion and combinations thereof.
54. (New) The composition of claim 45 wherein said anti-foam agent is present in an amount of at least 1 ppm by weight of total composition.
55. (New) The composition of claim 45 wherein said anti-foam agent is characterized by the structure of dimethyl silicone or a hydrocarbon moiety in oil in water emulsion.
56. (New) The composition of claim 44, further comprising a nonionic agent.
57. (New) The composition of claim 56, wherein said nonionic agent comprises a substituent selected from the group consisting of: alcohol, polyol, phenol, chlorophenol, polyphenol and combinations thereof.
58. (New) The composition of claim 56, wherein said nonionic agent is branched, linear, unsaturated and combinations thereof.
59. (New) The composition of claim 56, wherein said nonionic agent comprises a chain length of from about C₄ to about C₁₂.
60. (New) The composition of claim 56, wherein said nonionic agent is selected from the group consisting of: 1-(2-ethylhexyl) glycerol ether, octyl glycerol ether, 2-(2-ethylhexylxoxy) propanol, octyloxy-propanol, 1-(2-ethylhexyloxy) ethanol, octyloxy ethanol, 1,2-hexylenediol, 1,2-cyclohexanedimethanol, isopropyl glycerol ether, 4-chloro-3-xylenol and combinations thereof.
61. (New) The composition of claim 56, wherein said nonionic agent is present in an amount of about 0.1% to about 10% by weight of total composition.
62. (New) The composition of claim 44, further comprising an alkyl ethoxylated emulsifier.
63. (New) An antimicrobial product comprising the antimicrobial composition of claim 44.

64. (New) The antimicrobial product according to claim 63, wherein said product is a personal care product.
65. (New) The personal care product according to claim 64, wherein said personal care product is selected from the group consisting of: hand soaps, hand sanitizers, body washes, shower gels, shampoos, body lotions, feminine care products, foot care products, deodorants, pet care products and combinations thereof.
66. (New) The antimicrobial product according to claim 63, wherein said product is a household care product.
67. (New) The household care product of claim 66, wherein said product is selected from the group consisting of hard surface cleaners, deodorizers, fabric care compositions, fabric cleaning compositions, manual dish detergents, automatic dish detergents, floor waxes, kitchen cleaners, bathroom cleaners and combinations thereof.
68. (New) The antimicrobial product according to claim 63, wherein said product is selected from the group consisting of: a wipe product suitable for personal care use and household cleaning; a toilet tissue; a towel for hand drying, household drying and household cleaning; a facial tissue; a skin care composition; a first aid or surgical antiseptic; a diaper; a feminine napkin; and combinations thereof.
69. (New) The skin care composition according to claim 68, further comprising a dermatologically acceptable carrier for said antimicrobial composition.
70. (New) A method of killing bacteria, said method comprising the steps of topically applying the composition of claim 44 to an area in need of treatment and, optionally, removing said composition following its application.
71. (New) A method of inactivating viruses, said method comprising the steps of topically applying the composition of claim 44 to an area in need of treatment and, optionally, removing said composition following its application.
72. (New) The method of claim 71, wherein said viruses are selected from the group consisting of: rotavirus; rhinovirus; coronavirus; respiratory syncytial virus; and combinations thereof.
73. (New) A method of providing residual antibacterial efficacy, said method comprising the steps of topically applying the composition of claim 44 to

an area in need of treatment and, optionally, removing said composition following its application.

74. (New) A method of preventing and/or treating a common cold, respiratory disease and diarrhea in a mammal where said diseases are caused by rhinovirus, rotavirus, coronavirus, respiratory syncytial virus and combinations thereof, said method comprising the steps of topically applying the composition of claim 44 to an area of the mammal in need of treatment and, optionally, removing said composition following its applications.
75. (New) A method of preventing and/or treating bacteria-related diseases in a mammal that result from said mammal's contact with a bacteria-infected substrate, said method comprising the steps of topically applying the composition of claim 44 to an ear of the mammal which is infected with said bacteria and, optionally, removing said composition following its application.
76. (New) A method of reducing inflammation, said method comprising the steps of topically applying the composition of claim 44 to an area in need of treatment, and optionally, removing said composition following its application.
77. (New) The method according to claim 76 wherein said inflammation is caused by a source selected from the group consisting of: plants, diaper rash, insect bites, allergic inflammatory reactions and combinations thereof.
78. (New) A method of preventing inflammation, said method comprising the steps of topically applying the composition of claim 44 to an area for which the prevention of inflammation is desired, and optionally, removing said composition following its application.